Volume 36, 1993
Author Index / Index des auteurs

Abbo, S., 815
Alvarez, M.C., 672
Amabis, J.M., 831
Amarasinghe, V., 310
Amores, A., 672
Ananiev, E., 397, 1023
Anderson, J.A., 181
Andronico, F., 762
Antonio, C., 535
Aprea, G., 662
Arbona, M., 694
Armstrong, K., 77
Aruna, M., 971
Austin, M.E., 971
Autrique, J.E., 181
Bai, D., 166
Baillie, D.L., 1148
Baldanza, F., 662
Banks, P.M., 207
Bariana, H.S., 476
Barrett, J.W., 87
Barrio, E., 890
Barsacchi, G., 762
Barton, A., 32
Barua, U.M., 1080
Baszczynski, C.L., 139
Batistoni, R., 762
Beauseigle, D., 139
Bella, J.L., 542
Bellemare, G., 139
Benian, G.M., 1148
Bennett, S.A., 356
Bentzen, P., 271
Bernard, L.E., 302
Bernard, M., 808
Bernard, S., 808
Bertollo, L.A.C., 372
Besse, P., 1049
Bhambhani, R., 77
Bickham, J.W., 449
Biddle, F.G., 935
Blake, T., 66, 397, 1023
Blunden, R., 706
Boivin, G., 580
Boivin, R., 139
Bonham-Smith, P.C., 459
Bonierbale, M.W., 152
Bousquet, J., 668
Bouza, C., 1119
Brandle, J.E., 255
Brodie, B.B., 152
Brown, G.R., 310
Buchanan, C.B., 14
Burnquist, W.L., 782
Bushuk, W., 743
Bussey, H., 32
Cabrero, J., 919
Camacho, J.P.M., 919
Cameron, D.F., 43, 50
Campbell, W., 1003
Carlson, J.E., 310
Castro, J., 1119
Castro, J.A., 890
Ceccarelli, M., 1092
Ceoloni, C., 377
Chalmers, k.J., 1080
Chatterjee, R., 131
Chen, F., 66
Chen, P., 327
Chen, T.H.H., 66
Chernakov, V.M., 743
Chevre, A.M., 1099
Chong, J., 818
Churchill, G.A., 181
Cionini, P.G., 1092
Clark, M.W., 32
Clegg, N.J., 676
Cockburn, A.F., 1058
Coffaro, C.M., 935
Conner, R.L., 173
Conte, M.R., 1111
Cook, J.A., 449
Crane, C.F., 1015
Czeschin, Jr., D.G., 1015
da Silva, J.A.G., 782
Dallas, J.F., 445, 978
Dancik, B.P., 87
de Almeida-Toledo, L.F., 1124
de Belle, J.S., 94
De Bock, Th.S.M., 261
De Buyser, J., 808
de Frutos, R., 694
De Jong, J.D., 1032
De Jong, J.H., 261
de la Torre, J., 268
De Lucchini, S., 762
de Stefano, G.F., 202
Degroote, F., 244
Delaney, S., 32
Delseny, M., 750
DeMars, S., 555
Derk, R.C., 356
Devey, M.E., 913
Dextrase, L., 580
Di Cola, G., 1111
di Terlizzi, P., 21
Dolan, B.M., 588
Donini, P., 377
Dube, S.K., 483
DuBow, M.S., 334
Dvorák, J., 21
Dyck, P.L., 289
Eales, B.A., 935
Eber, F., 1099
Echt, C.S., 594
Eldridge, M.D.B., 524
Endo, T.R., 548
Erickson, L., 427
Fedak, G., 818
Feldberg, E., 372
Feldmann, K.A., 610
Fernandez, J.L., 230
Fernandez-Peralta, A.M., 202
Ferrer, E., 1029
Ferrucci, L., 202
Fieldhouse, D., 1107
Fields, C., 1148
Foresti, F., 1124
Forster, B.P., 825, 1080
Forster, J.W., 706
Fortin, N., 32
Foster, G.G., 495
Franck, J.P.C., 187
Frascaria, N., 668
Friebe, B., 327, 731
Galetti Junior, P.M., 1124
Garcia de la Vega, C., 230
Garcia-Vazquez, E., 440
Gay, G., 808
Gibson, J.P., 433
Gill, B.S., 327, 731, 792
Gill, K.S., 548
Golding, G.B., 1107
Gomez-Raya, L., 433
González, J.M., 1029
Gonzalez-Aguilera, J.J., 202
Gonzalez-Candelas, F., 890

Gonzalez-Garcia, J.M., 535
Gorab, E., 831
Gosalvez, J., 230, 268, 542
Goyanes, V., 230
Gresshoff, P.M., 224
Grewe, P.M., 725
Grigliatti, T.A., 676, 1169
Grunder, A.A., 954
Gunther, T., 998
Gustafson, J.P., 445, 658, 978
Hackett, C.A., 1080
Hankeln, T., 852
Hanna, S., 1138
Hannoufa, A., 610
Hart, G.E., 198, 913
Hartings, H., 1111
Hattori, J., 255
Hayes, P.M., 66
Henry, Y., 808
Hesemann, C.U., 998
Heslop-Harrison, J.S., 517, 774, 1074
Heun, M., 884
Hewitt, G.M., 542
Hickey, D.A., 954
Higson, T.S., 356
Hilliker, A.J., 94, 162, 1007
Hintz, W.E., 418
Hohmann, U., 235
Horgen, P.A., 418
Hua, S.-B., 483
Huang, N., 686
Humphreys, J.M., 162
Hymowitz, T., 391
Jack, P., 1080
Jarret, R.L., 216
Jellen, E.N., 962, 1129
Jenkins, G., 131
Jensen, K.B., 72, 1157
Jiang, J., 327, 731, 792
Jimenez, M.M., 706
Johnston, P.G., 524
Jones, R.N., 706
Joshi, C.P., 602
Juan, C., 467
Kaback, D.B., 32
Kanazin, V., 397, 1023
Karp, A., 706
Kazan, K., 43, 50
Keng, T., 32
Kerlan, M.C., 1099
Keyl, H.-G., 852
Kidwell, K.K., 906
Kiefer-Meyer, M.C., 750
Kim, N.-S., 77, 565
Kimber, G., 14
Kindiger, B., 987
King, I.P., 815
Kiss, G., 310
Knott, D.R., 166, 877
Kochert, G., 216, 944, 971
Koebner, R.M.D., 825
Kok, J.M., 1032
Kolchinsky, A., 224
Kollipara, K.P., 391
Konishi, T., 512
Kota, R.S., 548
Kotarski, M.A., 356
Kung, S.-D., 483
Kuspira, J., 77, 565
Labbe, H., 255
Lagudah, E.S., 235
Lamb, B.C., 1006
Lanaud, C., 1049
Landry, B.S., 580
Lange, W., 261
Lapitan, N.L.V., 701
Lara, F.J.S., 831
Larkin, P.J., 207
Laroche, A., 173
Latorre, A., 890
Lea, V., 1080
Lebrun, P., 1049
Leitch, I.J., 517
Lemieux, B., 610
Liu, B., 66
Liu, Z.-W., 102, 641
Locke, J., 1138
Lopez-Fernandez, C., 230, 268
Loverre-Chyurlia, A., 954
Lu, B.-R., 863, 1157
Lucijanie-Justie, V., 467
Lukaszewski, A.J., 821
Ma, Y., 555
Maggia, L., 668
Magill, C.W., 198
Maguire, M.P., 797
Magyar, G.M., 14
Maluszynska, J., 774
Manaresi, S., 317
Manners, J.M., 43, 50
Marcotte, J.-L., 808
Marescalchi, O., 317
Mark, H.F.L., 1003
Mark, Y., 1003
Mark, Jr., R., 1003
Markley, N.-A., 459
Marmiroll, N., 1111
Marra, M.A., 1148
Martinez, D., 890
Martinez, G., 672
Martínez, P., 1119
May, B., 725
McCouch, S.R., 686
McCoy, T.J., 594
McIntosh, R.A., 476
McIntyre, C.L., 445, 978
McKnight, T.D., 1015
McNevin, J.P., 610
Meister, G.A., 1169
Melz, G., 507
Metakovsky, E.V., 743
Mezzanotte, R., 230
Michaud, M., 668
Miki, B.L., 255
Miller, T.E., 815, 815
Mitchell, S.E., 1058
Molnar, S.J., 818
Moloney, M.M., 459
Moran, P., 440
Morton, R.A., 1
Moya, A., 890
Mueller, R.J., 147
Muhlmann, M.D., 701
Mujeeb-Kazi, A., 1088
Mukai, Y., 489
Muro, A.I.S., 112
Nadimpalli, R.G., 216
Nakahara, Y., 489
Nakayama, C.M., 372
Nardi, I., 762
Nash, D., 924
Ng, P.K.W., 743
Nguyen, H.T., 602
Nishioka, Y., 588
Nkongolo, K.K., 701
Odierna, G., 662
Oliveira, C., 1124
Olmo, E., 662
Osborn, T.C., 906
Ouellette, B.F.F., 32
Ozias-Akins, P., 971
Pan, A., 66
Pan, T., 1003
Pan, W.H., 387
Pardo, M.C., 919
Parkes, T.L., 1007
Parmenter, M., 1003
Pauls, K.P., 844
Pavesi, A., 1111
Pelger, S., 1042
Peloquin, S.J., 8
Pendas, A.M., 440

Penner, G.A., 818
Perrotta, C., 1111
Petitpierre, E., 467
Phatak, S.C., 216
Phillips, J.P., 162, 1007
Phillips, R.L., 962, 1129
Picard, G., 244
Pickering, R.A., 507
Pilgrim, D., 712
Pineda, O., 152
Plaisted, R.L., 152
Plohl, M., 467
Pochard, E., 404
Pogna, N.E., 743
Porto, J.I.R., 372
Powell, W., 1080
Prasad, S.S., 57
Prémoli, M.C., 652
Price, H.J., 1015
Prince, J.P., 404
Procunier, W.S., 112
Quick, J.S., 701
Raho, G., 1111
Rajcan-Separovic, E., 984
Rajora, O.P., 87
Raman, R., 195
Ramella, L., 652
Ramon, M., 890
Raupp, W.J., 327
Reddy, A.S., 750
Redi, C.A., 652
Reed, K.M., 157
Reina, J., 672
Renault, S., 244
Resta, P., 21
Rines, H.W., 962, 1129
Roehrdanz, R.L., 367
Rooney, W.L., 962
Rose, A.M., 57
Ross, M.H., 278
Ross, R., 852
Ruedas, L.A., 449
Sabour, M.P., 984
Salomon, B., 899, 1157
Sanchez, L., 1119
Sandery, M.J., 706
Scali, V., 317
Schein, J.E., 1148
Schlegel, R., 387
Schmidt, E.R., 852
Schmidt, T., 1074
Scriver, G.R., 631
Seawright, J.A., 1058
Second, G., 686
Seguin, M., 1049
Sella, G., 652
Senior, M.L., 884
Serrano, L., 542
Singh, A.P., 195
Singh, R.J., 343, 350, 391
Sokolowski, M.B., 94
Sol, K., 334
Song, Y.C., 658
Sorrells, M.E., 181, 782
Speckmann, G.J., 261
Spiegelman, G.B., 676
St. Clair, D.A., 619
Starr, T.V., 57
Stelly, D.M., 1015
Stober, T., 998
Stocker, A.J., 831
Storms, R.K., 32
Strobeck, C., 87
Suja, J.A., 535
Taeb, M., 825
Tagarro, I., 202
Talbert, L.E., 14
Tanguay, R.M., 694
Tanksley, S.D., 152, 181, 404, 782
Tessiatore, J.E., 356
Thomas, J.B., 173
Thomas, W.T.B., 1080
Timmerman, G.M., 507
Tiong, S.Y.K., 924
Torabinejad, J., 147
Tragoonrung, S., 66
Tsuchiya, T., 343, 350
Tuleen, N., 731
Ugarkovic, D., 467
Van Coppenolle, B., 686
Van Eden, J., 1032
Van Hove, C., 686
Verhaar, H., 1032
Vinas, A., 1119
Viseras, E., 919
von Bothmer, R., 863
Wang, R.R.-C., 102, 207, 641
Watanabe, I., 686
Watanabe, K., 8, 8
Waugh, R., 1080
Weller, G.L., 495
Whelan, E.D.P., 173
Whitehead, I.P., 676
Wight, C.P., 818
Wilkes, T.J., 706
William, M.D.H.M., 1088
Williams, C.E., 619
Williams, J.A., 676
Winberg, B.C., 978
Wolters, A.M.A., 1032
Wood, S., 302
Woodward, W., 610
Wright, J.M., 187, 271
Wyandt, H.E., 1003
Xia, X., 427
Xu, G.-W., 198
Xu, S.J., 207
Yadav, B., 877
Yamamoto, M., 489
Yates, T.L., 449
Yeh, F.C.H., 87
Yoshimi, R., 512
Yu, K.F., 844
Zacharias, H., 294
Zahed, L., 588
Zaitin, D., 555
Zeng, B., 32
Zhang, H.-B., 21
Zhao, X., 944
Zhong, W., 32
Zhou, Z., 978
Ziehr, J.E., 935
Zwolinski, S.A., 1006

Volume 36, 1993
Subject Index / Index des matières

^{60}Co, 725
18S + 26S rDNA, 77
1BL/1RS translocation, 1088
2*n* pollen, 8
1RS.1BL translocation, 821
1RS arm, 808
5S DNA, 517
5S rDNA, 77
5S rRNA genes, 1023
acid polyacrylamide gel electrophoresis, 743
acrotrisomics, 343
adenosine2 locus, 924
Adh, 1169
adult plant rust resistance, 877
Aegilops, 21
Agropyron, 207
Agropyron elongatum, 173
agrotriticum, 207
alcohol dehydrogenase, 954
alfalfa, 427
allozymes, 890
Alu polymorphism, 302
Amazon fish, 372
amphiploid, 207
α-amylase, 517, 954
aneuploids, 350, 913, 962
angiosperms, 668
Anopheles quadrimaculatus, 1058
anther culture, 808
APRT, 1107
asteroid, 356
Atlantic salmon, 271
Australopyrum, 147
autotetraploid, 131
Avena, 1129
Azolla-Anabaena symbiosis, 686
B chromosome, 157, 706
Bacillus lynceorum, 317
bar gene characterization, 1099
barley, 387, 397, 512, 517, 1023, 1080, 1111
barley yellow dwarf virus, 207
behaviour, 94
behavioural genetics, 935
bent DNA, 467
*Beta corolliflora*3, 1074
Beta patellaris, 261
Beta procumbens, 261
Beta trigyna, 1074
Beta vulgaris, 261, 1074
biotin, 202
biotin labelling, 658
black point, 173
bovine Alu-like repetitive sequence, 984
bovine and ovine chromosomes, 984
Brassica, 774
Brassica napus, 139
Brassicaceae, 774, 1099
breeding behaviour, 565
breeding strategies, 433
brown trout, 1119
bulk segregant analysis, 818
C-banding, 235, 641, 731, 792, 962, 1129
C-banding cytotypes, 317
cadmium, 255
Caenorhabditis elegans, 57, 712, 1148
callus culture, 166
Canadian bread wheats, 743
Capsicum, 404
Castanea sativa, 668
Cdc2, 676
cDNA, 1111
cell cycle, 387
centric fissions, 317, 372
centromeric DNA, 774
Ceratitis, 495
chiasma maintenance, 797
chiasmata, 131
chimeric gene, 954
Chironomus, 852
chlorophyll *a/b* binding proteins, 139
chromosomal evolution, 449
chromosome 1B, 548
chromosome addition, 327
chromosome arm specific probes, 173
chromosome band pattern, 998
chromosome banding, 102
chromosome elimination, 350
chromosome evolution, 524
chromosome homology, 831
chromosome I, 32
chromosome morphometry, 1003
chromosome pairing, 72, 147, 1032, 1099
chromosome polymorphism, 672
chromosome preparation, 387
chromosome relative length, 1003
chromosome structure, 230
chromosome substitutions, 507
chromosome transmission, 261
chromosomes, 662
Cichlidae, 187
cis-regulatory sequences, 954
cloning, 706
Cochliobolus sativus, 173
cockroach, 278
coding elements, 1148
coding regions, 57
cold tolerance, 66
Coleoptera, 467
common root rot, 173
common wheat, 377, 489, 548
coordinated evolution, 944
Cruciferae, 774
Ctenomyidae, 449
Curimatidae, 372
CuZn superoxide dismutase, 1007
cyst nematodes, 152
cytogenetics, 230, 268, 278, 391, 542
cytological mechanisms, 8
cytonuclear disequilibria, 890
cytotaxonomy, 112
D17F40S3, 302
D2F40S2, 302
D5F40S1, 302
dairy cattle, 433
deficiencies, 1148
denso dwarfing gene, 1080
differentiation, 294
Diptera, 367
direct repeats, 187
disease resistance gene, 555
disomic and ditelosomic alien chromosome additions, 261
DNA fingerprinting, 418, 580, 944, 978
DNA markers, 580
DNA polymorphism, 224
DNA sequence, 334, 467
double trisomics, 565
doubled haploids, 1080
Drosophila, 1, 356, 495, 676, 954, 1138
Drosophila melanogaster, 94, 244, 924
Drosophila nasutoides, 294
Drosophila subobscura, 694
durum wheat, 602
Dutch elm disease, 418
egg, 725
electron microscopy, 230
Elymus, 147, 863, 1157

Elymus ciliaris, 327
embryo rescue, 594
emmer wheat, 602
Encarsia, 662
endoreplication, 294
epicuticular wax, 610
evolution, 14, 216, 271, 278, 367, 750, 774, 1042, 1074
evolution of tolerance, 1
extrachromosal circular DNAs, 244
Fagaceae, 668
fertility, 565
fish cytogenetics, 1124
fish meiosis, 1124
fluorescence, 542
fluorescence in situ hybridization, 310, 701, 984
foraging microregion, 94
formylglycineamide ribotide amidotransferase, 924
formylglycineamidine ribotide synthase, 924
fructan, 66
functional regulation, 1092
G-banding, 662
gametophytic gene, 808
gas chromotography - mass spectroscopy, 610
gene mapping, 774
genetic distance, 619, 686, 971
genetic diversity, 1049
genetic linkage, 476, 476
genetic linkage mapping, 555
genetic map, 235, 712, 774
genetic mapping, 50, 517, 580, 913
genetic similarity, 602
genome, 57, 102, 391, 641, 782, 1158
genome analysis, 32, 147, 712
genome evolutin, 404
genome mapping, 66, 884
genome size, 652
genomic clone, 1111
genomic in situ hybridization, 792
geographical distribution, 512
germline transformation, 954
germplasm, 216
gliadin alleles, 743
Globodera rostochiensis, 152
glossy mutants, 610
glucose phosphate isomerase, 1088
glucose repression, 954
ß-glucuronidase, 255
glutathione-*S*-transferase, 1007
Glycine max, 224
Glycine tomentella, 391
Gossypium hirsutum, 1015
growth habit, 66
H1, 152
handedness, 935
heading date, 1080
heat shock, 1111
heat-shock genes, 694
heavy metal tolerance, 255
heterochromatin, 157, 195, 202, 268, 294, 334, 343, 535, 542, 672, 919, 1092
heteropycnosis, 535
Hevea brasiliensis, 1049
histone genes, 852
hobo element, 1138
homoeologous pairing, 377
homoeology, 731
homologous chromosomes, 1003
homozygous deletion lines, 548
hordeins, 397
Hordeum, 1029
Hordeum bulbosum, 507
Hordeum vulgare, 66, 507
horizontal gene transfer, 924
hsp83, 694
human chromosome 5, 302
hybrid, 102
hybrid zones, 542
Hynobiidae, 762
hypervariable, 978
image analysis, 962, 1129
immunoblotting, 694
in situ digestin, 998
in situ hybridization, 77, 489, 517, 658, 706, 731, 792, 831, 852, 1015
inbreeding, 971
induced rearrangements, 524
insect, 367, 662
insecticide resistance, 1
interspecific hybrid, 863
interspecific hybridization, 899, 1157
interspecific hybrids, 377, 1099
introgression, 14
inverted repeats, 467
irradiation, 524
isoelectric focusing, 1088
isozymes, 512
karyotype, 102, 310, 440, 641, 672
karyotypic evolution, 372
kinetochore, 350
Lacusta migratoria, 919
larvae, 94
leaf rust, 476, 476, 476
leaf rust resistance, 289
lhcb genes evolution, 139
LHCII type III, 139
linkage, 235
linkage groups, 844
linkage mapping, 198
linkage maps, 495
long-term regeneration, 166
Lucilia, 495
Lycopersicon esculentum, 404
Lycopersicon esculentum (+) *solanum*, 1032
maize, 884, 987
mammalian chromosomes, 230
map, 782
mapping, 181, 517
maroon-like, 162
maternal tranmission, 725
Medicago, 427
Medicago interspecific hybrids, 594
meiofauna, 652
meiosis, 72, 102, 195, 261, 268, 535, 641, 863, 1157
meiotic chromosome behaviour, 565
meiotic mutant, 797
meiotic pairing, 899
Melandrium album, 387
meta3B, 350
metaphase index, 387
methylation, 77
microphotometry, 294
microsatellites, 884
microspore, 987
minisatellite, 271, 978
misdivision, 821
mitochondrial DNA, 87, 890, 1058
mitomycin C, 524
mobile elements, 1138
molecular, 14
molecular cytogenetics, 762
molecular evolution, 483
molecular genetics, 1
molecular markers, 50, 602, 818
monoclonal antibodies, 1042
monosomic addition lines, 750
monosomic analysis, 476, 476
mouse, 935
mouse Y chromosome, 588
mRNA levels, 954
mtDNA, 367, 725
multicolor fluorescence, 489
multigene family, 1023, 1042
multiple flowers, 404
multivalents, 131
Mus, 588
Musca, 495
Muscidae, 367

mutations, 676
N-banding, 792
Nasonia vitripennis, 157
neutrality, 890
nick translation, 202, 268
Nicotiana, 483
nontranscribed spacers, 1023
NOR hierarchy, 317
nuclear architecture, 774
nuclear repatterning, 1092
nucleolar organizing region, 327, 919, 1119
nucleolus organizer region, 157, 815, 1124
nucleolus organizers, 672
nucleotide sequence, 1111
numerical analysis, 863
oats, 818, 962, 1129
octoploid, 207
Ophiostoma ulmi, 419
Ophryotrocha, 652
orphon, 852
Orthoptera, 542
Oryza, 944
Oryza sativa, 978
oxygen defense, 162, 1007
oxygen evolution, 483
P element, 356, 1138, 1169
parallel spindles, 8
paraquat, 162, 1007
paternal sex ratio, 157
paw preference, 935
Pc68, 818
Petrogale, 524
Ph mutations, 377
phenotypes, 565, 1023
phosphogluconate dehydrogenase, 512
photosystem II, 483
phylogenetics, 87, 112
phylogeny, 21, 668
phylogeny evolution, 831
physical map, 548, 712
physical mapping, 517, 1015
Picea, 310
pigeonpea, 216
plant cell nucleus, 1092
ploidy series, 8
Poaceae, 899
Polychaeta, 652
polymerase chain reaction, 43, 50, 198, 302, 397, 686, 971, 1029
polymorphism, 397, 1029
polyploid, 782
poplars, 87
population biology, 418
population genetics, 580
position effect variegation, 1138
potato, 152
powdery mildew, 476, 476
primary trisomics, 565
primer-induced in situ hybridization, 815
principal component analysis, 686
prolamin, 1042
proliferating cell nuclear antigen, 449
promoter region, 139
protease inhibitors, 391
Puccinia coronata, 818
purine biosynthesis genes, 924
purine salvage enzymes, 1107
quantitative trait loci, 66, 404
quantitative variation, 906
random amplified polymorphic DNA, 43, 594, 619, 1029
RAPD, 580, 818, 1080
RAPD analysis, 602
RAPD markers, 844
rates of evolution, 1107
*rbc*L, 668
rDNA, 310, 1049
recombination, 1032
relationships, 899
repeated nucleotide sequences, 21
repeated sequences, 244, 706, 944
repetitive DNA, 334, 1074
repetitive DNA sequence, 427
repetitive sequence, 588
replication banding, 440
resistance genes, 152
restriction banding, 998
restriction endonuclease, 998
restriction fragment length polymorphism, 87, 173, 181, 198, 404, 619
restriction fragments, 77
restriction site map, 367
Rf genes, 327
RFLP, 152, 235, 555, 712, 750, 782, 962, 1049, 1080
RFLP markers, 548
Rhynchosciara, 831
ribosomal DNA, 774
ribosomal DNA loci, 1015
ribosomal genes, 762
rice, 750, 944
risk assessment, 1099
rodent, 1107
root meristem, 387
rust, 207
rye, 131, 387, 701, 815
S-adenosylhomocysteine, 57
Saccharomyces cerevisiae, 32, 224
Salamandridae, 762
Salmo salar, 440
salmonid, 271, 725
satellite DNA, 187, 244, 334, 750, 1074
Secale cereale, 706, 998
seed proteins profiles, 391
segregation, 844
selection, 433, 890
selection of resistant genes, 1
sequence, 676
sequence amplification, 588
sex chromosome, 195, 535, 1124
simple sequence repeats, 884
Simulium damnosum complex, 112
size polymorphism, 1119
small heat shock proteins, 1111
Solanum tuberosum, 152
somatic hybrid, 1032
Sorghum bicolor, 198
southern corn leaf blight, 555
Southern hydridization, 77
Sparidae, 672
speciation, 102, 278
species relationship, 1157
spermiogenesis, 535
Star, 356
stem rust, 476, 476, 476
stem rust resistance, 289
sterility, 987
stripe rust, 476, 476
Stylosanthes guianensis species complex, 43
Stylosanthes hamata, 50
Stylosanthes scabra, 50
Su(var), 1138
sugarcane, 782
supernumerary segments, 919
synapsis, 195
synaptonemal complex, 131, 797, 1032, 1124
synchronization, 387
systematics, 216
T-bands, 202
tandem repeats, 467
Tanzania, 112
*Taq*I, 202
taxonomy, 216
telocentric mapping, 476, 476
telomeres, 224
telotrisomics, 343
tetraploid alfalfa, 844
thelytoky, 317
Thinopyrum, 207, 641
Thinopyrum elongatum, 825
tissue differentiation, 1092
tissue-specific expression, 954

tomato, 619
transformation, 255, 1169
transgenic rapeseed, 1099
translocation heterozygote, 235
transposable element, 1169
transposition, 852
Trichogramma spp., 580
Triticum longissimum, 731
trinucleotide tandem repeats, 1023
triple trisomics, 565
Tripsacum, 987
Triticeae, 641, 863, 899, 1042
Triticum, 21
Triticum aestivum, 173, 181, 289, 327, 731
Triticum monococcum, 77, 565
Triticum turgidum, 1088
tuber-bearing *Solanum* speices, 8
two-dimensional electrophoresis, 224
unc-22, 1148
variation, 87
vector biology, 112
waterlogging tolerance, 825
wheat, 14, 166, 173, 207, 289, 387, 701, 821, 825, 877
wide hybridization, 147, 166
winterhardiness, 66
xanthine dehydrogenase, 162
Y chromosome evolution, 588
yeast, 32
Zea mays L., 555